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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
1005-DJDSERIAL NO.
09/176,587INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)APPLICANT
DUPRAYFILING DATE
October 21, 1998GROUP ART
3662

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
DP	1.	6,324,404	11/27/2001	Dennison et al.	455	456	
	2.	6,321,092	11/20/2001	Fitch et al.	455	456	
	3.	6,249,245	6/19/2001	Watters et al.	342	357.03	
	4.	6,034,635	3/7/2000	Gilhousen	342	457	
	5.	5,966,658	10/12/1999	Kennedy, III et al.	455	426	
	6.	5,903,844	5/11/1999	Bruckert et al.	455	456	
	7.	5,864,755	1/26/1999	King et al.	455	404	
	8.	5,774,869	6/30/1998	Toader	705	10	
	9.	5,742,509	4/21/1998	Goldberg et al.	364	449.5	
	10.	5,732,074	3/24/1998	Spaur et al.	370	313	
	11.	5,710,758	1/20/1998	Soliman et al.	370	241	
	12.	5,675,344	10/7/1997	Tong et al.	342	457	
	13.	5,611,704	3/18/1997	Kamizono et al.	439	164	
	14.	5,610,815	3/11/1997	Gudat et al.	364	424.027	
	15.	5,600,705	2/4/1997	Maenpaa	379	58	
	16.	5,555,257	9/10/1996	Dent	370	95.1	
	17.	5,395,366	3/7/1995	D'Andrea et al.	604	890.1	
	18.	5,392,052	2/21/1995	Eberwine	342	357	
	19.	5,111,209	5/5/1992	Toriyama	342	357	
	20.	4,721,958	1/26/1998	Jenkin	342	13	
DP	21.	08/191,984		Loomis et al.	342	357	2/22/94

EXAMINER

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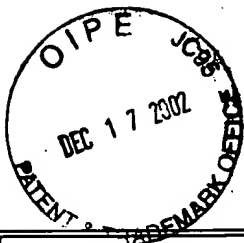
4/6/04

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 1005-DJD	SERIAL NO. 09/176,587
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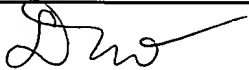
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
DP	22.	WO 01/95642	Dec. 13, 2001	PCT	H04Q			
DP	23.	WO 98/10307	Mar. 12, 1998	PCT	G01S	3/02		
DP	24.	WO 97/01228	Jan. 9, 1997	PCT	H04B	7/28		
DP	25.	WO 96/14588	17/5/1996	PCT	G01S	5/02		

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

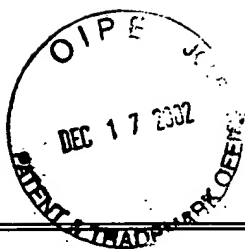
DP	26.	Rizzo et al.; "Integration of Location Services in the Open Distributed Office"; <i>Technical Report 14-94, Computing Laboratory, University of Kent, Canterbury, United Kingdom</i> ; August 1994; pgs. 1-14
	27.	Caffery, J. and Stüüber, G. L., "Vehicle Location and Tracking for IVHS in CDMA Microcells," <i>International Symposium on Personal, Indoor, and Mobile Radio Communications</i> , pp. 1227-1231, September 1994.
	28.	Caffery et al.; "Radio Location in Urban CDMA Microcells"; <i>International Symposium on Personal, Indoor, and Mobil Radio Communications</i> , September 1995; 5 pgs.
	29.	Beck et al.; "Simulation Results on the Downlink of a Qualcomm-like DS-CDMA-System Over Multipath fading channels"; September 1994 pgs. 1-7
	30.	Pop et al.; "Site Engineering for Indoor Wireless Spread Spectrum Communications"; June 2001; 3 pgs.
	31.	Caffery et al.; "Overview of Radiolocation in CDMA Cellular Systems"; <i>IEEE Communications Magazine</i> ; April 1998; pgs. 38-45
DP	32.	Salcic; "AGPCS - An Automatic GSM-based Positioning and Communication System" <i>Proceedings of GeoComputation 1997 & SIRC 1997</i> ; August, 1997; pgs. 15-22

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DP	33.	Ramanathan et al.; "A Survey of Routing Techniques for Mobile Communications Networks"; <i>Mobile Networks and Applications</i> ; October 1996; Vol. 1(2); pgs. 1-31
DP	34.	Pending Claims only: U.S. Patent Application Serial No. 10/262,413 filed September 30, 2002 entitled "WIRELESS LOCATION USING HYBRID TECHNIQUES," which is a continuation of the above listed 09/194,367 filed November 24, 1998 entitled "WIRELESS LOCATION USING MULTIPLE MOBILE STATION LOCATION TECHNIQUES," which is the U.S. National Phase Application of International Application Serial No. PCT/US97/15892 with International Filing Date of September 8, 1997, which was published under International Publication No. WO 98/10307 with an International Filing Date of March 12, 1998 (Copy of specification submitted previously in IDS.) (1003-2)
DP	35.	Pending Claims only: U.S. Patent Application Serial No. 10/262,338 filed September 30, 2002 entitled "WIRELESS LOCATION USING SIGNAL DIRECTION AND TIME DIFFERENCE OF ARRIVAL," which is a continuation of the above listed U.S. Patent Application Serial No. 09/194,367 filed November 24, 1998 entitled "WIRELESS LOCATION USING MULTIPLE MOBILE STATION LOCATION TECHNIQUES," which is the U.S. National Phase Application of International Application Serial No. PCT/US97/15892 with International Filing Date of September 8, 1997, which was published under International Publication No. WO 98/10307 with an International Filing Date of March 12, 1998 (Copy of specification submitted previously in IDS.) (1003-3)

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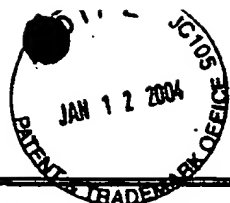
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U.S. PATENT DOCUMENTS

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DP	1.	6,549,130	4/15/03	JOAO	340	539	
	2.	6,381,464	4/30/02	VANNUCCI	455	456	
	3.	6,330,452	12/11/01	FATTOUCHE et al.	455	456	
	4.	6,243,587	6/5/01	DENT et al.	455	456	
	5.	6,240,285	5/29/01	BLUM et al.	455	404	
	6.	5,917,405	6/29/99	JOAO	340	426	
	7.	5,845,267	12/1/98	RONEN	705	40	
	8.	5,809,415	9/15/98	ROSSMANN	455	422	
	9.	5,799,016	8/25/98	ONWELLER	370	401	
	10.	5,787,354	7/28/98	GRAY et al.	455	456	
	11.	5,774,805	6/30/98	ZICKER	455	426	
	12.	5,764,756	6/9/98	ONWELLER	379	242	
	13.	5,742,905	4/21/98	PEPE et al.	455	461	
	14.	5,724,648	3/3/98	SHAUGHNESSY et al.	455	56.1	
	15.	5,594,782	1/14/97	ZICKER et al.	379	63	
	16.	5,594,425	1/14/97	LADNER et al.	340	825.06	
	17.	5,588,038	12/24/96	SNYDER	379	57	
	18.	5,563,931	10/8/96	BISHOP et al.	379	59	
DP	19.	5,513,243	4/30/96	KAGE	379	58	

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DP	20.	5,473,602	12/5/95	MCKENNA et al.	370	60	
	21.	5,119,104	6/2/92	HELLER	342	450	
	22.	4,542,744	9/24/85	BARNES et al.	128	660	
	23.	3,646,580	2/29/72	FULLER et al.	325	53	
	24.	09/230,109	—	—	—	—	
	25.	10/297449	—	—	—	—	
DP	26.	10/337807	—	—	—	—	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
DP	27.	WO 97/41654	11/6/97	PCT	H04H 1	00		
DP	28.	WO 97/50002	12/31/97	PCT	G01S 3	02		
DP	29.	WO 94/15412	7/7/94	PCT	H04B 7	185		
DP	30.	WO 94/11853	5/26/94	PCT	G08G 1	0968		

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DP	31.	Kennemann, Orlin, "Continuous Location of Moving GSM Mobile Stations by Pattern Recognition Techniques," Fifth IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC '94), pp. 630-634, IEEE, Sept. 1994.
DP	32.	Schopp, Michael, "User Modelling and Performance Evaluation of Distributed Location Management for Personal Communications Services," Proceedings of the 15th International Teletraffic Congress (ITC) 15, Washington, D.C., 1997, S. 23-34.
DP	33.	Smith, Jr., "Passive Location of Mobile Cellular Telephone Terminals," IEEE, CH3031-2/91/0000-0221; 1991 pp. 221-225

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